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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/696,516	10/30/2003	Talbot Albert Chubb	9072		
7590 10/02/2006			EXAMINER		
Melvin L. Crane			PALABRICA, RICARDO J		
318 South Cleve Arlington, VA		ART UNIT	PAPER NUMBER		
			3663		
			DATE MAILED: 10/02/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No. Applicant(s)					
Office Action Summary		10/696,5	16	CHUBB, TALBOT ALBERT				
		Examine	r	Art Unit				
		Rick Pala		3663				
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)	Responsive to communication(s) filed on							
	☐ This action is <b>FINAL</b> . 2b) ☐ This action is non-final.							
٠,۵	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
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	4) Claim(s) <u>1-16</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.							
	6) Claim(s) is/are rejected.							
	7)  Claim(s) is/are objected to. 8)  Claim(s) <u>1-16</u> are subject to restriction and/or election requirement.							
0)23	oralings) 1-10 are subject to restriction and/c	n election le	quirement.					
Applicati	on Papers							
9)[]	The specification is objected to by the Exami	ner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	inder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
Attachment								
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date								
3) 🔲 Infom	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date		5) Notice of Informal P					

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## **DETAILED ACTION**

## Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

- A: Apparatus for generating heat by exothermic nuclear reactions using a metal reactor plate interfaced with two solid electrolyte layers (e.g. see Figs. 1 and 2).
- B: Apparatus for generating heat by exothermic nuclear reactions using a metal reactor plate interfaced with one solid electrolyte layer (e.g. see Fig. 4).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim appears generic.

- 2. <u>Upon election of one of the embodiments identified above as A and B,</u> applicant is further required under 35 U.S.C. 121 to elect one of the following disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim appears generic.
  - C: Wherein the reactor plate contains at least one diffusion-impending nonmetallic layers (e.g. see claims 1 and 5).

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- D: Wherein the reactor plate contains a dispersion of diffusion-impending non-metallic inclusions (e.g. see claims 9 and 13).
- 3. <u>Upon election of one of the embodiments identified above as A and B,</u> Applicant is further required under 35 U.S.C. 121 to elect a single species of the metal for the reactor plate, for purposes of examination. This additional requirement is to facilitate examining due to the diverse metals disclosed as suitable plate material (e.g., see claims 3, 7, 11 and 15).
- 4. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions

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unpatentable over the prior art, the evidence or admission may be used in a rejection

under 35 U.S.C.103(a) of the other invention.

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Rick Palabrica whose telephone number is 571-272-

6880. The examiner can normally be reached on 6:00-4:30, Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jack Keith can be reached on 571-272-6878. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**RJP** 

September 15, 2006

RICARDO J. PALABRICA

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